

SYCHEV, V.P.; MIKHAYLOVA, A.S.; TRAPITSYN, N.F.; MULLAYANOV, F.I.

Exchange of experience. Zav.lab. 28 no.8:950 '62. (MIRA 15:11)

1. Kishinevskiy gosudarstvennyy universitet i Moldavskiy nauchno-issledovatel'skiy institut elektrotekhnicheskoy promyshlennosti (for Sychev, Mikhaylova). 2. Kirgizskiy gosudarstvennyy universitet (for Trapitsyn, Mullayanov).

(Spectrum analysis)

68558

SOV/81-59-20-71198

9.3/50

Translation from: Referativnyy zhurnal, Khimiya, 1959, Nr 20, p 143 (USSR)

AUTHOR: Trapitsyn, N.F.

TITLE: The Changes in the Temperature and the Degree of Ionization in the Plasma of a High-Voltage a-c Arc <sup>γ</sup>

PERIODICAL: Fiz. sb. L'vovsk. un-t, 1958, Nr 4(9), pp 328 - 330

ABSTRACT: The temperature and the degree of ionization of the plasma of a high-voltage a-c arc have been measured by means of a 2-channel photo-electric installation. The measurements of the temperature were carried out by the lines CuI5105-CuI5218 A, the degree of ionization was determined by Prilezhayeva's method by the relative intensities of the lines BaII4934-BaII5535 A. The probable error in the determination of the temperature is 0.83%, in the determination of the degree of ionization 7%. The changes in the intensities of the spectral lines per semicycle coincide with the shape of the curves for the current intensity having a maximum in the central part. The change in the temperature is opposite

Card 1/2

61558

SOV/81-59-20-71198

The Changes in the Temperature and the Degree of Ionization in the Plasma of a High-Voltage a-c Arc

to the change in the intensity of the lines, which is explained by the increase in the diameter of the radiating channel in the middle of the semicycle at the simultaneous decrease in the current density. The degree of ionization changes in analogy to the temperature curves, which confirms the thermal character of ionization in the arc.

B. L'vov

✓

Card 2/2

Determination of lanthanum...

S/032/62/028/006/013/025  
B101/B138

$\text{Ce}_2\text{O}_3$  does not affect Y determination. A laboratory assistant is able to analyze 10 - 15 samples three times each during one shift.

ASSOCIATION: Kirgizskiy gosudarstvennyy universitet (Kirgiz State University)

Card 2/2

BELYAYEV, V.P.; KALINACHEIKO, V.R.; KUZ'NIN, I.M.; YAKIMENKO, L.M.;  
ARGENTINER, I.M.; RUBENCHIK, Yu.I.; SHEVKUN, I.G.;  
SHKLOVER, L.V.; BURAVLEV, Yu.M.; PEREPETKINA, M.A.;  
USTINOVA, V.I.; NEUYMINA, G.P.; ENGEL'SHT, V.S.; TRAPITSYN, N.F.;  
BULANOV, Yu.A.

Exchange of experience. Zav.lab. 28 no.6:685-687 '62.

(MIRA 15:5)

1. Khimicheskiy zavod imeni Veykova (for Shklover).
  2. Ural'skiy nauchno-issledovatel'skiy institut chernykh metallov (for Buravlev, Perepelkina, Ustinova, Neuymina).
  3. Kirgizskiy gosudarstvennyy universitet (for Engel'sht, Trapitsyn, Bulanov).
- (Spectrum analysis)

TRAPISTIN, N.F., Cand Phys-Math Sci--(diss) "Electrical <sup>and temperature</sup> ~~characteristics~~ characteristics of <sup>AC</sup> high-voltage <sup>arc</sup> ~~of an arc~~ Tomsk, 1958. 8 pp (Tomsk) State Univ V.V. Kuybyshev), 120 copies (ML, 25-50, 107)

- 2 / -

TRAPITSYN, N.F.

Changes in temperature and the degree of ionization in the plasma  
of a high-voltage a.c. arc. Fiz.sbor. no.4:328-330 '58.  
(MIRA 12:5)

1. Kirgizskiy gosudarstvennyy universitet.  
(Electric arc) (Ionization)

TRAPITSYN, V. I.

Avtomaticheskie stanochnye linii v mashinostroenii. Moskva, Mashgiz, 1948.  
101 p. illus. (Tekhnologiya mashinostroeniia: Stanki i obrabotka metallov  
rezaniem) Bibliography: p.(100)

Automatic machine groups in mechanical engineering.

DLC: TJ1185.T7

SO: Manufacturing and Mechanical Engineering in the Soviet Union. Library of  
Congress, 1953.



TRAPITSYN, Valentin Ivanovich; SOTSKOV, B.S., doktor tekhnicheskikh nauk,  
Petsenent; SABININ, Yu.A., kandidat tekhnicheskikh nauk, redaktor;  
CHFAS, M.A., redaktor izdatel'stva; SOKOLOVA, L.V., tekhnicheskii  
redaktor

[Automatization of production processes of industrial equipment]  
Avtomatizatsiia proizvodstvennykh protsessov promyshlennykh ustanovok.  
Moskva, Gos. nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1957. 317 p.  
(Automatic control) (MLRA 10:9)

TRAPITSYN, V. I.

Avtomaticheskiye stanochnyye linii v mashinostroyenii (Automatic machine tools machine building) Moskva, Mashgiz, 1948. (101 pp.)

TJ1185.T7 DLC

TRAPITSYN, V. I.

Avtomaticheskie stanochnye linii v mashinostroenii. Automatic machine tools in machine construction. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1948. 101 p. (Tekhnologiya mashinostroenii: Stanki i obrabotka metallov rezaniem) (51-15488)

TJ1185.T7

1. Machine-tools. 2. Machinery, Automatic.

65725

TRAPPENBERG, R.

Journal of the Science  
of Food and Agriculture  
Jan. 1954  
Sanitation

(2)  
✓ Dust deposition from smoke plumes. M. Them and R. Trappen-  
berg (*Verein. Grosskesselbesitz.*, 1953, No. 23, 391-395; *D.C.U.R.A.*  
*Mon. Bull.*, 1953, 17, 362).—From O. G. Sutton's formulae, lines  
of equal concn. of air pollution are derived from which first approxi-  
mations of dust deposit per unit area and time can be calculated;  
the values are presented in graphs for labile air stratification (temp.  
fall 1°/100 m., high air-turbulence), medium stratification (temp.  
fall 0.6°/100 m., air velocity 4 m./sec.), and stable stratification  
(rise of temp. with height, low air-velocity, low turbulence). Experi-  
mental verification is in progress. *D.C.U.R.A. (C)*.

TRAPL, J.

S.

Improved Basic Slag Control. J. Trapl. (Hutník; (Prague), 1962, 2, Feb., 37-39).  
(In Czech).

Improvements in the visual method of assessing slag basicity, taken from recent Soviet literature, are discussed. The use of sets of standard slag samples of known basicity is recommended.--P. F. D2

immediate source clipping

TRAPL, J.

"Gas, a Treacherous Enemy of Steel" p. 8, (HUTNIK, Vol. 3, no. 1, Jan. 1953, Praha, Czechoslovakia).

SO: Monthly List of East European Accessions, LC, Vol. 2, No. 11, Nov. 1953, Uncl.

TRAPL, J.

"Steel Finishing by Using a Spout" p. 9, (HUTNIK, Vol. 3, no. 1, Jan. 1953,  
Praha, Czechoslovakia).

SO: Monthly List of East European Accessions, LC, Vol. 2, No. 11, Nov. 1953, Uncl.

TRAPL, J.

Journal of Applied Chemistry  
Vol. 4 Feb. 1954  
Industrial Inorganic Chemistry

70  
Desulphurising steel. J. Trapl (*Hutník [Prague]*, 1953, 8, No. 3, 59—63; *J. Iron Steel Inst.*, 1953, 175, 332).—The chemistry of S removal in steelmaking is reviewed with reference to the influence of the CaO in the slag on the partition coeff. of S in the slag-metal system during the oxidising period and the damaging effects of S and P on the impact strength and other properties of steels. The views of Fohs, Ossan, and Schleicher, that the beneficial influence of fluoride additions to the bath results from elimination of some S in the form of volatile fluorides, are erroneous. The influence of fluoride is ascribed to the higher concn. of anions in the slag, resulting in lower  $\eta$  and higher chemical activity. The effects of various elements and compounds on desulphurisation are considered in the light of the ionic theory.  
R. B. CLARKE.



TRAPL, J.

"Necessity of Correct Deoxidization." p. 168 (Hutník, Vol. 3, no. 7/8, Aug. 1953,  
Praha)

SO: Monthly List of East European Accessions, Vol. 3, no. 2, Library of Congress,  
Feb. 1954, Uncl.

TRAPL, J.

Some problems of the dephosphorization of steel. p. 587.  
TECHNICKA PRACA, Bratislava, Vol. 6, no. 10, Oct. 1954.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 5, No. 6,  
June 1956, Uncl.

TRAPL, J.

TRAPL J.

Príčiny predčasnych porodu a jejich zimezovani. /Causes of pre-  
mature births and their treatment/ Cesk. gyn. 15:1-2 1950  
p. 5-7.

1. NAI

TRAPL, J.

50th anniversary of Josef Lukas. Cesk. gyn. 17 no.9-10:417-419 1952.  
(CJML 23:4)

TRAPL, J., Prof. MUDr; VALIŠKA, Milos, MUDr

Influence of dymographic insufflation and of new contrast media  
on investigation of tubal patency. Cas.lek.cesk. 91 no.33:966 15  
Aug 52.

(FALLOPIAN TUBES,

patency tests, kymography & contrast media)

(CONTRAST MEDIA,

in fallopian tubes patency tests)

TRAPL J. Prag-Podoli 157. "Leitung der Geburt bei der Beckenendlage.  
 Conduct of labour in breech presentation Z.GEBURTSH.  
 GYNÄK. 1955, 143, 1 (30-40) illus. 3

Attention is drawn to the fact that in 1928 the Russian investigator Covjanov de-  
 scribed a method for spontaneous delivery in breech presentation. In contrast to  
 Bracht, who delivers the shoulders transversely, Covjanov recommends delivery  
 first of the anterior and then of the posterior shoulder from the oblique or right  
 side. In other respects, the agreement between the 2 methods is so striking that  
 several authors presumed imitation of the method by Bracht. This suspicion is re-  
 futed by the author, who points out that Covjanov's method did not become general-  
 ly known in the USSR before the publication of the official textbook on midwifery  
 in 1950. Finally, the author, who is an advocate of Covjanov's method, emphasizes  
 the great value of spontaneous birth in breech presentation, making reference to  
 personal experience and statistics by others. This reference to Bracht's and  
 Covjanov's methods may seem superfluous in continental Europe, but is not so in  
 the Anglosaxon countries, where they have hardly been applied up to now.

Winzeler - Zurich

TRAPL, Jiri, Prof., Dr., (UPMD Praha-Podoli)

Surgical therapy of cancer of the cervix uteri. Cas. lek.  
cesk. 94 no.50:1379-1380 9 Dec 55.

(CERVIX, UTERINE, neoplasms,  
surg., indic.)

TRAPL, J., Prof., MUDr.

Care for women and children in the past and in the present.  
Cesk. gyn. 22/36 no.1-2:25-27 Feb 57.

1. Nositel Radu republiky.  
    (MATERNAL WELFARE, hist.  
      (Cz))  
    (CHILD WELFARE, hist.  
      (Cz))



TRAFEL J., Prof. Dr.

Indications for cesarean section. Arch. gyn. 20:56] no.5:390-392  
June 57.

(CESAREAN SECTION  
indic. (0-1)

ELEFANT, E.; JEKLEROVA, J.; TRAPL, J.

A case of Henoch's fulminating purpura with necroses in a 4-months-old infant. Cesk. pediat. 16 no.9:832-836 S '61.

1. III detska klinika, prednosta prof. dr. O. Vychytil II kozni klinika, prednosta prof. dr. K. Hubschmann.

(PURPURA in inf & child)

(ALLERGY in inf & child)

TRAPL, Jiri, prof.

First experience with the organization of obstetric aid in our country. Cesk. gynek. 26 no.9:707-711 N '61.

(OBSTETRICS)

SUBERT, M.; TRAPL, J.; ZALOUDEK, M.

Epidemiology of genital discharges in adults. Cesk. gyna. 26[40]  
no.4:252-254 '61.

1. III. gyn-por. klinika KU v Praze, prednosta prof. R. Peter, Dr.Se.

(LEUKORRHEA epidemiol)

TRAPL, J.

60th anniversary of Prof. MUDr. Josef Lukas, DrSc. Cesk. gyn. 27  
[41] no.6/7:423-429 Ag '62.  
(BIOGRAPHIES) (GYNECOLOGY)

TRAPL, J; JIRASEK, L.

Alkali resistance of the skin determined by means of pH meter.  
Cesk. dermat. 25 no.7-8:339-341 July 1950. (CML 20:1)

1. Of the Second Dermatological Clinic in Prague (Head—Prof.  
K. Hubschmann, M. D.).

112

CA

Case of urticaria following arsphenamine. J. H. Trapl  
and Zdenek Slava. *Acta Dermatovenereol.* 31: 125-126  
(1951) in English. Urticaria after arsphenamine (I)  
was prevented by previous injection of antistone (II). How-  
ever, the histamine blood level dropped after I with or with-  
out II. J. H. Weisburger

TRAPL, J., Dr; CHYTIL, M., Dr; SVOBODA, V., Dr

Remission of long duration in case of lupus erythematosus in the terminal stage treated with isonicotinic acid hydrazide. Cas. lek. cesk. 93 no.45:1256-1257 5 Nov 54.

1. Z II. interni kliniky Karlovy university, prednosta prof. Dr A.Vancura. Z II. dermatovenerol, kliniky Karlovy university, prednosta prof. Dr K.Hubschmann.

(NICOTINIC ACID ISOMERS, therapeutic use,

isoniazid in lupus erythematosus)

(LUPUS ERYTHEMATOSUS, therapy,

isoniazid)



TRAPL, Jiri, MUDr; STAVA, Zdenek MUDr - asistenti kliniky

Contribution to the problem of cutaneous arteriolitis. Cesk. dermat.  
29 no.1:50-53 Feb 55.

1. Z II. dermatol. kliniky v Praze (predn. prof. dr. K.Hubschmann)  
(ARTERITIS  
arteriolitis cutaneous allergic, diag. & ther.)  
(~~ELI~~EROY, manifestations  
arteriolitis, cutaneous)

TRAPL, Jiri, MUDr

Histopathology of vascular changes. Cesk.derm. 29 no.2:117-124  
Apr 55.

1. Z II. dermatologicke kliniky v Praze (prednosta prof. Dr. K.  
Hubschmann).

(SKIN, diseases,

vasc. changes in)

(BLOOD VESSELS, in various diseases,  
skin dis., pathol. changes)

TRAPL, Jiri, MUDr.

Examination of histological preparation in cutaneous diseases.  
Cesk. dermat. 31 no.3:179-184 June 56.

1. Z II dermatologicke kliniky v Praze (prednosta prof.  
K. Hubschmann).  
    (SKIN, pathology,  
        histol. prep., exam. (Cz))

TRAPL, Jiri

Histopathologie kožních chorob. (Histopathology of the Skin Diseases. 1st ed. illus., bibl., indexes) Authors: Jiri Trapl, Blahoslav Bednar. Introduction by Antonín Tryb. Prague, SZdN, 1957. 527 p.

The first study in Czech on the histopathology of skin. Analysis of the conditions for a successful work in dermatology and a survey of the basic knowledge. The special part is divided according to 28 diseases, organized according to their nature and microscopical changes. Each unit contains a brief theoretical paragraph including clinics. Unique is the rich collection of illustrative microphotographies.

Bibliografický katalog, CSR, České knihy, No. 37. 22 Oct 57. p. 809.

KVICALOVA, Eva; STAVA, Zdenek; TRAPL, Jiri

Steroid therapy of pemphigus associated with diabetes mellitus. Cesk.  
derm. 36 no.6:424-426 '61.

1. II kozni klinika fakulty vseobecneho lekarstvi Karlovy university v  
Praze, prednosta doc. MUDr. Jan Obrtel, Dr. Sc.

(PEMPHIGUS ther) (DIABETES MELLITUS compl)  
(PREDNISONE ther) (CORTICOTROPIN ther)

TRAPL, J.

On the clinical picture of melanoblastoma. Supplement to the series of pictures on chalk paper. Cesk. dermat. 37 no.6:417-418 D '62.

1. II kozni klinika fakulty vseobecneho lekarstvi Karlovy university  
v Praze, prednosta prof. dr. J. Obrtel, DrSc.  
(MELANOMA)

BEDNAR, Hlahoslav; BRAUN, Alexandr; HEFMANSKY, Frantisek; STEJSKAL, Josef;  
TRAPL, Jiri.

Atypical reticulosos. Acta Univ. Carol. [med.] (Praha) 9 no.2:  
101-104 '63

1. I. patologickoanatomicky ustav fakulty vseobecneho lekarstvi  
University Karlovy v Praze (prednosta: prof. MUDr. B.Bednar);  
Laborator pro patofysiologii krvetvorne soustavy a jater fakulty  
vseobecneho lekarstvi University Karlovy v Praze (vedouci: prof.  
MUDr. V.Honig) a II. dermatovenerologicka klinika fakulty vse-  
obecneho lekarstvi University Karlovy v Praze (prednosta: prof.  
MUDr.J.Cbrtel).

BEK, V.; KOLAR, J.; VRABEC, R.; SEDLACEK, J.; KUCERA, M.;  
SCHWANK, R.; MARESOVA, J.; TRAPL, J.

Clinical importance and therapeutic principles of hemangioma  
in childhood. Cesk. pediat. 18 no.9:798-809 S '63.

1. Radiologicka klinika fakulty vseobecneho lekarstvi KU v  
Praze, prednosta prof. dr. V. Svab, DrSc. Klinika plasticke  
chirurgie lekarske fakulty hygienicke KU v Praze, prednosta  
prof. dr. V. Karfik, DrSc. II kozni klinika fakulty vseobecneho  
lekarstvi KU v Praze, prednosta prof. dr. J. Obrtel, DrSc.  
(HEMANGIOMA) (NEOPLASM RADIOTHERAPY)  
(NEOPLASM REGRESSION, SPONTANEOUS)  
(SURGERY, OPERATIVE)



TRAPL, J.; PALECEK, L.

The significance of traumatization of pigmented nevi. Cesk.  
derm. 38 no. 3:169-173 Je '63.

1. II dermato-venerologicka klinika fakulty vseobecneho  
lekarstvi KU v Praze, prednosta prof. dr. J. Obrtel, DrSc.  
Radiologicka klinika fakulty vseobecneho lekarstvi KU v Praze,  
prednosta prof. dr. V. Svab, DrSc.

(NEVUS, PIGMENTED) (MELANOMA)  
(SKIN NEOPLASMS) (WOUNDS AND INJURIES)

TRAPL, S.; SCHROTTENBAUM, M.

Obstruction of the choledochus after choledochoduodenostomy and its fatal sequelae. Cesk. gastroent. vyz. 19 no.6:365-368 S '65.

1. Chirurgické oddelení (vedoucí MUDr. S. Trapl) a patologicko-anatomické oddelení (vedoucí MUDr. M. Schrottenbaum) Obvodního ústavu národního zdraví v Teplicích.

Prochazka, J.; Traplova, A.; Homolka, J.; Gross, K.

Epidemic jaundice in children. *Pediat. listy* 6 no.3:142-145  
May-June 1951. (CML 20:11)

1. Jaroslav Prochazka, M.D. and Anna Traplova, M.D. of the Infectious Department of the State District Hospital in Bulovka. 2. Jiri Homolka, M.D. of the First Children's Clinic in Prague. 3. Karel Gross, M.D. of the Prosectorium of the State District Hospital in Bulovka.

GROSS, K.; TRAPLOVA, A.

Pathologic findings in infectious hepatitis. *Pediat. listy*,  
Praha 6 no.4:208-212 July-Aug 1951. (CML 21:1)

1. Karel Gross, M.D. of the Prosectorium of the State District Hospital in Prague VIII (Head -- Prof. Vaclav Jedlicka, M.D.).
2. Anna Traplova, M.D. of the infectious Department of the State District Hospital in Prague VIII (Head -- Prof. Jaroslav Prochazka, M.D.).

KRUMBA, V.; TRAPLOVA, A.

Modern treatment of whooping cough. Prakt. lek., Praha 31 no. 10:  
214-217 20 May 1951. (CLML 22:3)

1. Of the Department of Infectious Diseases (Head--Prof. J. Prochazka,  
M. D.), Prague.

TRAPLOVA, B.

PROCHAZKA, J., Prof. Dr.; TRAPLOVA, Dr.; KRUTA, Dr.; MITERA, Dr.

Infectious hepatitis in children in 1950. Cas.lek.cesk. 91 no.14:  
413-415 4 Apr 52.

1. Z inf. oddeleni nemocnice na Bulovce, prednosta prof. dr.  
Prochazka a z I. detske kliniky, prednosta prof. Dr. J.Svejcar  
v Praze.

(HEPATITIS, INFECTIOUS, in infant and child,  
incid. in Czech.)

Traply, G.

7  
6  
Gas-chromatographic investigations. Gy. Székely, T. Korinány, Gy. Rácz, and Mrs. G. Traply (Polytech. Univ., Budapest, Hung.). *Periodica Polytech.* 2, 269-74 (1958) (in German).—The apparent soly. of CO<sub>2</sub> in acetone absorbed on SiO<sub>2</sub> gel is measured for 456 mm. CO<sub>2</sub> and 80-206 mm. acetone partial pressure at  $29.8 \pm 0.1^\circ$ . The unexpectedly high soly. is explained by the formation of localized centers of liquid that are several mol. layers thick. Kurt Mann—

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TRAPLY, G.

3. Determination of the solubility of gases and gas mixtures. (In German) G. Schay, Gy. Székely, Gy. Rácz, G. Traply. *Periodica Polytechnica, Chemical Engineering*, Vol. 2, 1958, No. 1, pp. 1-24, 20 figs., 4 tabs.

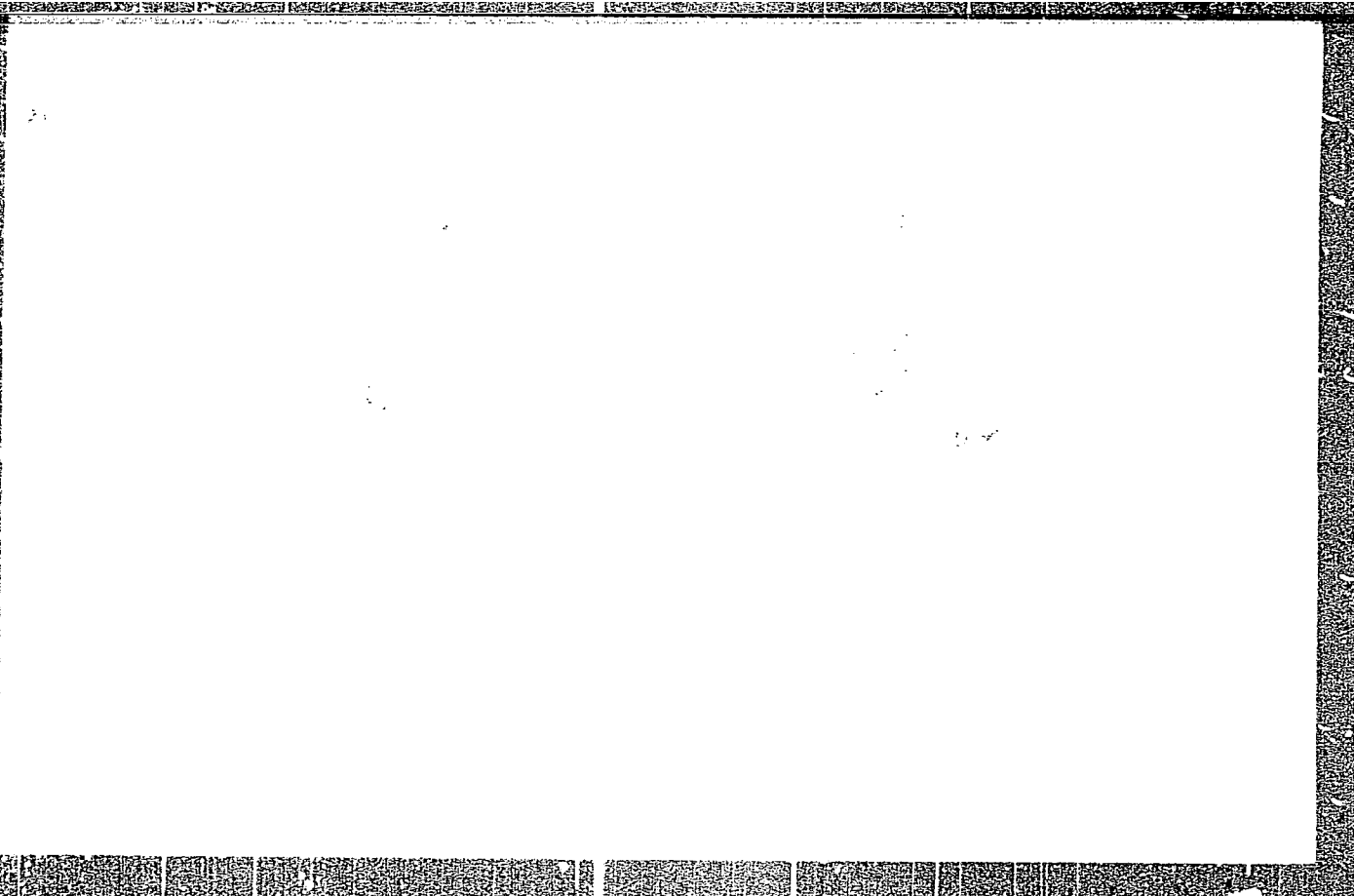
Methods of measuring the chromatographic adsorption or mixed adsorption, described in previous papers,\* were applied for determining the solubility of gases in liquids. The liquid was taken up by an inert carrier. The wet carrier was filled into a chromatographic column and the gas or gas mixture was chromatographed through the latter. The absorbed quantity was determined from the material balance. The latter takes into consideration the quantity and composition of the gases entering and leaving the column. The basic equation is  $w = v(1-x) + xsc$  where  $w$  and  $v$  are the space velocities of the entering and exit gases,  $c$  is the linear traveling velocity of the front,  $s$  the void corresponding to unit length of the column,  $x$  the mole fraction of the soluble gas in its mixture with an inert gas. Chromatographic indication took place with a continuous soap film velocity detector. When measuring mixed adsorption the determination of the composition of the equi-

librium gaseous phase is unnecessary, total pressure is constant (1 atm) and the equilibrium composition of the gases can be predicted. Equilibrium data are obtained only with low-viscosity solvents. An apparatus for measuring individual adsorption below and above room temperature is described.



**"APPROVED FOR RELEASE: 03/20/2001**

**CIA-RDP86-00513R001756510008-8**



**APPROVED FOR RELEASE: 03/20/2001**

**CIA-RDP86-00513R001756510008-8"**

COUNTRY : HUNGARY  
 CATEGORY : Physical Chemistry. Surface Phenomena. Adsorption. Chromatography. Ion Exchange  
 RES. JOUR. : RZKhim., No. 1 1960, No. 634  
 AUTHOR : Szekely, G.; Kormany, T.; Rac, G.; Traply, G.  
 INST. :  
 TITLE : Studies in Gas Chromatography

ORIG. PUB. : Period. polytechn. Chem. Engng, 1958, 2, No 4, 269-274  
 ABSTRACT : A dynamic method of measurement of the solubility (m) of gases in liquids is described. For this purpose, a gas is passed through a chromatographical column filled with a carrier through which a solvent has been passed previously. The results of the measurement of m coincide with the data of static measurements for solvents with low viscosity and small surface tension; with high viscosity, sharply

1/3

B-55

CARD:

CARD: APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R00175651000

B-56

BREUSOV, O.N.; TRAPP, G.; NOVOSELOV, A.V.; SIMANOV, Yu.N.

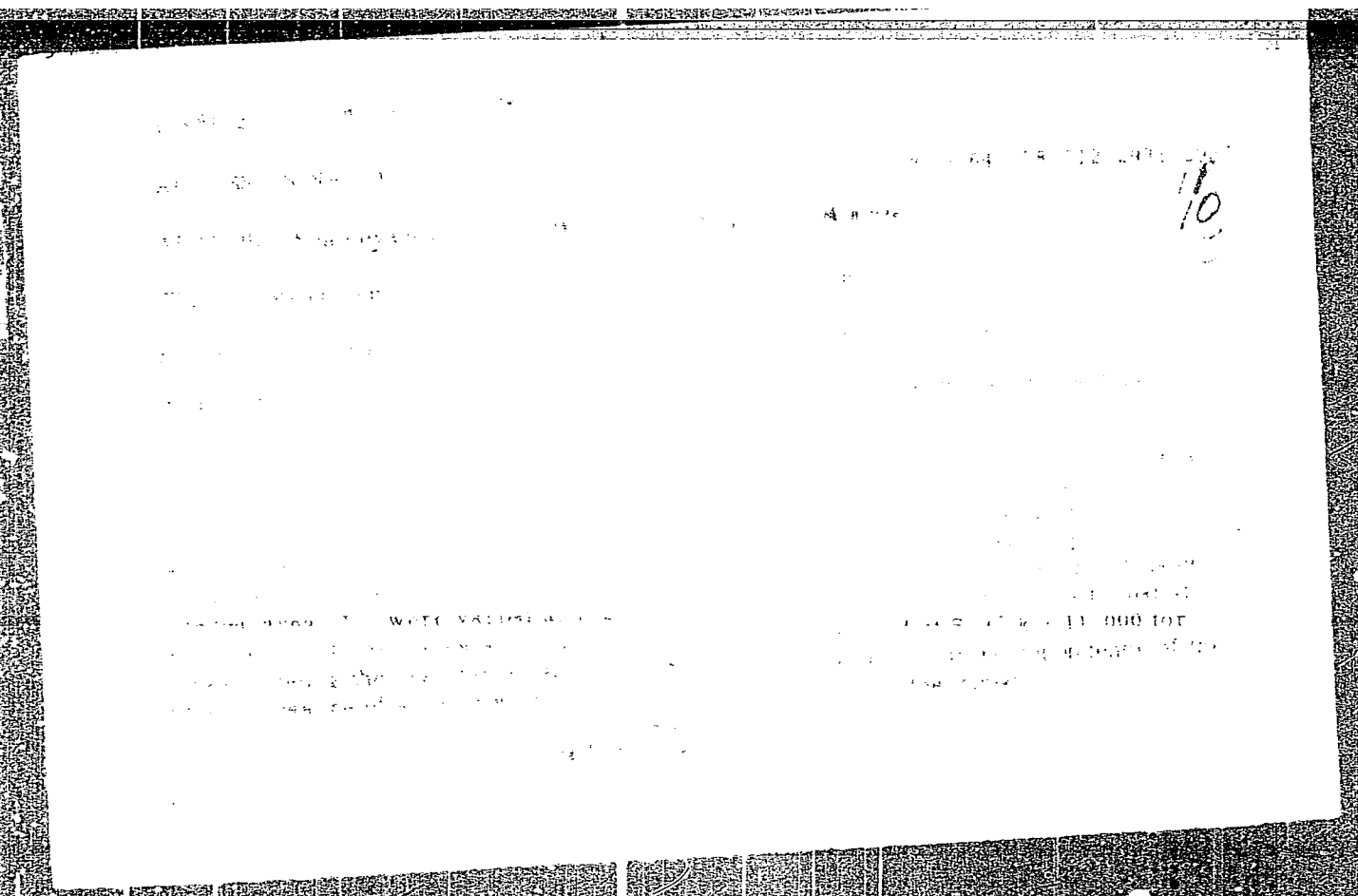
Thermal and the X-ray phase analysis of the  $\text{SrF}_2$  -  $\text{BaF}_2$  system.  
 Zhur. neorg. khim. 4 no.3:671-677 Mr '59. (MIRA 12:5)  
 (Alkaline earth fluorides)

NESMEYANOV, An.N.; TRAPP, G.

Study of the thermodynamic properties of some iron alloys in  
the closed  $\gamma$ -region. Zhur. fiz. khim. 39 no.2:356-359 F '65.

(MIRA 18:4)

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova.



1860      holded the relationship      1900      1910

99.100  $\pm$  300 cal/g. The effective vaporization coefficient of sulfur was determined

ASSOCIATION: Black Market

100-44388-101

21.4 (18)E: 11

017

1979, p. 22

TRAPP, R.

Special sewing school. Leg. prom. 18 no.3:60 3 of cover Mr '58.  
(MIRA 11:4)

1. Direktor spetsial'noy shkoly shveytnogo proizvodstva, Germanskaya  
Demokraticeskaya Respublika (Sewing schools)

TRAPPENBERG, R.

Journal of the Science  
of Food and Agriculture  
Jan. 1954  
Sanitation

✓Dust deposition from smoke plumes. M. Diem and R. Trappen-  
berg (*Vergin. Grosshesselsitz.*, 1953, No. 23, 391-395; *B.C.U.R.A.*  
*Mon. Bull.*, 1953, 17, 382).—From O. G. Sutton's formula, lines  
of equal concn. of air pollution are derived from which first approxi-  
mations of dust deposit per unit area and time can be calculated;  
the values are presented in graphs for labile air stratification (temp.  
fall 1°/100 m., high air-turbulence), medium stratification (temp.  
fall 0.6°/100 m., air velocity 4 m./sec.), and stable stratification  
(rise of temp. with height, low air-velocity, <sup>h</sup> turbulence). Experi-  
mental verification is in progress. *B.C.U.R.A. (C)*

TRAPUYLA, I.P., inzh.-mekhanik (g.Kaunas)

Automotive welding unit with its own power plant. Put' i put. khoz.  
no.9:23 S '58. (MIRA 11:9)  
(Kaunas--Railroads--Rails--Welding) (Railroads--Equipment and  
supplies)



1. KERZON, YA, S., PEYCH, H. N., TR'REV, B. S.
2. USSR (600)
4. Lumber-Drying
7. Improving wood-drying kilns of antiquated construction. Eng. Der. 1 lesokhim.  
prom. 2 no. 3 1953

9. Monthly List of Russian Accessions, Library of Congress, June 1953, Unclassified.

TRASCULESCU, Fl., ing.

Aspects of the control of the Borcea de Sus area during the  
flood of the Danube in April-May 1962. Hidrotehnica 7 no.12:  
434-444 D. '62.

DUBAKINA, A.V.; KUSHNAREVA, E.E.; KUZ'MINA, A.I.; TRASHCHENKO, L.I.

Epidemiology of influenza A2 according to 1957 data from Stalingrad.  
Vop. virus. 4 no.1:23-27 Ja-F'59. (MIRA 12:4)

1. Stalingradskiy nauchno-issledovatel'skiy institut epidemiologii,  
mikrobiologii i gigiyeny.

(INFLUENZA, epidemiol.

A2, in Russia (Rus))

TRASHCHILOV, P.F.

Synchronism requirements for aerial photographic surveying and photographic recording apparatuses. Geod. i kart. no.12:23-27 D '57.

(MIRA 11:2)

(Aerial photogrammetry)

TRASHCHUK, N.N.

Occurrence of Euxine deposits in the northern part of the Black Sea depression. Dop. AN URSS no.10:1429-1431 '60. (MIRA 13:11)

1. Institut geologicheskikh nauk AN USSR. Predstavleno akademikom AN USSR V.G. Bondarchukom [Bondarchuk, V.H.].  
(Black Sea region--Geology, Stratigraphic)

TRASHCHUK, N.N.

Cimmerian terrace in the northwestern coast of the Kerch Peninsula.  
Dop. AN URSR no.3:363-364 '65.

(MIRA 18:3)

1. Institut geologicheskikh nauk AN UkrSSR.

TRASHCHUK, H.N.

Distribution of Holocene sediments in the northern Black Sea  
Region. Dop. AN URSR no.11:1503-1505 '63.

(MIRA 17:12)

1. Institut geologii AN UkrSSR.

TRASHKIN, A.

PA 22/49T99

USSR/Radio Receivers  
Vacuum Tubes

Oct 48

"The Use of the SO-243 Tube Instead of the SB-242," A. Trashkin, 1 p

"Radio" No 10

Describes adjustments necessary when replacing SB-242 by SO-243 in Partizan, Rodina and Elektrosignal receivers. Includes one diagram.

IC

22/49T99



ACADEMIC PRESS

TITLE: Experimental investigation of the problems of long-distance tropospheric radio-wave propagation in the 1-100 MHz band

SOURCE: Elektrosvyaz', no. 3, 1964, 120

TOPIC: Tropospheric radio-wave propagation, autocorrelation, transmitter, angular diversity reception, space diversity reception

ABSTRACT: Two problems pertaining to long-distance tropospheric radio-wave propagation have been investigated. The first is the problem of the autocorrelation of the received signal levels. The second is the problem of the space diversity reception of the signal levels. The results of the investigation are presented for a 200-kw pulse-radar transmission at 100, 150, and 150 kHz.

Card 103

ACCESSION NO. 100-100000

... from the extent of

fluctuation ...  
... experimental data demonstrates ...

mean signal level ...  
were investigated experimentally in the summer of 1961 for distances  
of 60, 120, and 200 km by means of the same transmitting equipment  
as for the autocorrelation function. A 3 m paraboloid of revolution  
... the exciter

Card 200

L 17540.5

ACCESSION NO: AP444111

the channel electric centers in the range of 9-180 mm in the focal plane; at the same time the radiation pattern expanded between and

SUBMITTED: 12Aug63

ENCL: 00

SUB CODE: EC

NO REF SERV: 104

Card 3/3

ACCESSION NR: AP4045819

S/0106/64/000/009/0012/0017

AUTHOR: Shifrin, Ya. S.; Tarasov, V. A.; Trashkov, P. S.

TITLE: Experimental investigation of some problems of long-distance tropospheric propagation of 10-cm-band radio waves. Part 2

SOURCE: Elektrosvyaz', no. 9, 1964, 12-17

TOPIC TAGS: radio communication, tropospheric propagation, radio wave, radio wave propagation, 10 cm wave propagation

ABSTRACT: Experiments which were conducted in the Autumn of 1961 and in the Summer of 1962 on 80, 205, and 255-km land routes are described. Both transmitting and receiving antennas had a  $0.7^\circ$ -wide radiation pattern; the receiving antenna was rotated at  $18^\circ$  or  $36^\circ$  per sec. The angles of recording the radiation pattern were  $1.8^\circ$  or less and  $3.6^\circ$  or less for the speeds of antenna rotation of  $18^\circ$  and  $36^\circ$ , respectively; hence, the radiation patterns were regarded as

Card 1/2

ACCESSION NR: AP4045819

"instantaneous." During an experimental 1-1.5-hr-long session, from 50 to 150 radiation patterns were recorded; a total of 1,000 instantaneous patterns was analyzed. The results obtained are in close agreement with those published by Waterman (IRE Trans., 1958, AP-6, Oct. 4). Some quantitative data on radiation-pattern width and major-lobe fluctuations in the horizontal plane is given. Orig. art. has: 8 figures and 3 formulas.

ASSOCIATION: none

SUBMITTED: 12Aug63

SUB CODE: EC

NO REF SOV: 001

ENCL: 00

OTHER: 001

Card 2/2

ARMAND, N.A.; VVEDENSKIY, B.A.; GUSYATINSKIY, I.A.; IGOSHEV, I.P.;  
KAZAKOV, L.Ya.; KALININ, A.I.; KOLOSOV, M.A.; LEVSHIN, I.P.;  
LOMAKIN, A.N.; NAZAROVA, L.G.; NEMIROVSKIY, A.S.; PROSIN,  
A.V.; RYSKIN, E.Ya.; SOKOLOV, A.V.; TARASOV, V.A.; TRASHKOV,  
P.S.; TIKHOMIROV, Yu.A.; TROITSKIY, V.N.; FEDOROVA, L.V.;  
CHERNYY, F.B.; SHAHEL'NIKOV, A.V.; SHIREY, R.A.; SHIFRIN, Ya.S.;  
SHUR, A.A.; YAKOVLEV, O.I.; ARENBERG, N.Ya., red.

[Long-distance tropospheric propagation of ultrashort radio  
waves] Dal'nee troposfernoe rasprostraneniye ul'trakorotkikh  
radiovoln. Moskva, Sovetskoe radio, 1965. 414 p.  
(MIRA 18:9)

TRASKUNOVA, T.V.

X-ray diffraction examination of cokes from Suchan coals.  
Soob. DVFAN SSSR no.19:79-82 '63. (MIRA 17:9)

1. Dal'nevostochnyy filial imeni Komarova Sibirskogo otdeleniya  
AN SSSR.

NICHEV, I.; TRASHLIEV, R.

Sensitization to insulin through alkalinization; preliminary communication. Suvrem. med., Sofia 8 no.6:16-23 1957.

1. Iz Okruzhnaga psikhonevrologichna bolnitsa; Tsarevbrod, Kolarovgradsko.

(SHOCK THERAPY, INSULIN,

increase of insulin-sensitivity with sodium bicarbonate (Bul))

(BICARBONATES,

sodium, increase of insulin-sensitivity in shock ther. (Bul))



ALANSON, G.; OLSHANSKY, R.; WILSON, G.; JOHNSON, J.

Revisions: Copy of the SA [redacted] Serial 11-1161 50 No. 1:  
75-91 141-180 [p. 1, 164]

BULGARIA / Human and Animal Physiology. Internal Secretion. T

Abs Jour: Ref Zhur-Biol., No 9, 1958, 41591.

Author : Nichev, I.; Trashliyev, R.

Inst : Not Given.

Title : Insulin Sensitization Through Alkalinization.  
Preliminary Communication.

Orig Pub: S"vrem. med., 1957, 8, No 6, 16-23.

Abstract: Psychotic women (A) were given, internally, 50 g of sodium bicarbonate per day. Sensitivity to insulin increased. (The dose needed for production of shock was, on the average, 564 units before, and 252 units after administration of bicarbonate.)  
-- Authors.

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95

SHIFRIN, Ya.S.; TARASOV, V.A.; TRASHKOV, P.S.

Experimental study of some problems of long-distance tropospheric  
propagation of radio waves in the 10 cm. band. Part 2.  
Elektrosviaz' 18 no.9:12-17 S '64. (MIRA 17:12)

TRASHLIEV, St.

Magnesite-talc rocks near Gara Dzhebel, Kurdzhali District. Spis  
Bulg geol druzh 25 no.2:159-168 '64.

1. Central Administration of Geologic Research.

TRASHLIEV, S.

Barium deposit around Stara Zagora. p.32. MINNO DEL.O. (Ministerstvo  
na tezhkata promishlenost) Sofia. Vol. 11, no. 1, Jan./Feb. 1956

SOURCE: East European Accessions List, (EEAL), Library of  
Congress, Vol. 5, no. 12, December 1956

TRASHLIEV, S.

Aleksandur Milenov; life and works. p.86. MINNO DELO. (Ministerstvo na tezhkata promishlenost) Sofiia. Vol. 11, no. 1, Jan./Feb. 1956

SOURCE: East European Accessions List, (EEAL), Library of Congress, Vol. 15, no. 12, December 1956

TRASHLIEV, S.

Successes of rationalizers in the mining industry and metallurgy.  
p.88. MINNO DELG. (Ministerstvo na tezhkata promishlenost) Sofia.  
Vol. 11, no. 1, Jan./Feb. 1956

SOURCE: East European Accessions List, (EEAL), Library of  
Congress, Vol. 5, no. 12, December 1956

TRASHLIEV, S.

- New mines combines. p.96. MINNO DELO. (Ministerstvo na tezhkata promishlenost) Sofia. Vol. 11, no. 1, Jan./Feb. 1956

SOURCE: East European Accessions List, (EEAL), Library of Congress, Vol. 5, no. 12, December 1956



TRASHLIEV, S.

Exchanging views on experiences in the petroleum and coal industries.  
p.110. MINNO DELO. (Ministerstvo na tezhkata promishlenost) Sofia.  
Vol. 11, no. 1, Jan./Feb. 1956

SOURCE: East European Accessions List, (EEAL), Library of  
Congress, Vol. 5, no. 12, December 1956

LAZAREV, A.A.; DEM'YANOVICH, A.M., redaktor; TRASHUTIN, I.Ye., redaktor; TROITSKIY, I.F. [joint author]

[KDM-45 engine] Dvigatel' KDM-45. Moskva, Gos. nauchno-tekhn. issled.-issled. (nauka i tekhn.)  
shinostroitel. lit-ry, 1952. 303 n. (Tractors--Motors) (Diesel motor)

TRASHUTIN, I. Ya.

LAZAREV, A.A., inzhener; MITSYN, P.V., inzhener; NIKIFOROV, A.A., inzhener;  
ROZET, I.Ya., inzhener; TROITSKIY, I.F., inzhener; SHCHERBINA, V.I.,  
inzhener; BALZHA, M.F., inzhener, redaktor; TRASHUTIN, I.Ya., in-  
zhener, redaktor; PESTRYAKOV, A.I., redaktor; ORLOVA, V.V., tekhnii-  
cheskiy redaktor.

[Assembling and disassembling the "Stalinets-80" tractor] Razborka  
i sborka traktora "Stalinets-80." Pod red. M.F.Balzhi i I.IA.Tra-  
shutina. 4-e izd., ispr. i dop. Moskva, Gos. izd-vo selkhoz. lit-ry,  
1954. 429 p. (MIRA 7:10)  
(Tractors)

LAZAREV, Anatoliy Abramovich, inzh.; MITSYN, P.V., inzh.; NIKIFOROV, A.A.,  
inzh.; ROZET, I.Ya., inzh.. Primalni uchastiye: ZLOTNIK, M.I.,  
inzh.; MAGARILLO, B.L., inzh.. KAV'YAROV, I.S., inzh., red.;  
TRASHUTIN, I.Ya., inzh., red.; KOBLYAKOV, L.M., red.; PEVZNER,  
V.I., tekhn.red.

[Manual for operating the S-100 tractor] Rukovodstvo po eksplua-  
tatsii traktora S-100. Pod red. I.S.Kav'iarova i I.IA. Trashutina.  
Moskva, Gos.izd-vo sel'khoz.lit-ry, 1960. 263 p. (MIRA 13:5)  
(Tractors)

TRASKIN, Konstantin Arkad'yevich; VRUBLEVSKIY, A.V., inzh.-mayor, red.;  
MYASHNIKOVA, T.F., tekhn.red.

[Radar and its application] Radiolokatsionnaya tekhnika i ee  
primeneniye. Moskva, Voen.izd-vo M-va obor. SSSR, 1956. 139 p.  
(Radar) (MIRA 12:4)

TRASKIN, K. A.

Technology

Radar and its application, Moskva, Energo-izdat, 1951.

Monthly List of Russian Accessions, Library of Congress, December 1952. UNCLASSIFIED.

TRASKIN, K.A.; PRIVAL'SKIY, Ye.M., redaktor; FRIDKIN, L.M., tekhnicheskiy  
redaktor

[Radar and its uses] Radiolokatsionnaya tekhnika i ee primeneniye.  
Moskva, Gos.energ.izd-vo, 1951.95 p. (Massovaya radio-biblioteka,  
no.121) (MLRA 10:8)  
(Radar)

1. B. Ya. Tratssevitskaya, B. Ya.

USSR/Metals  
Precipitation  
Kinetics

Dec 1947

"Cementation of Metals From Their Chloride Solutions," D. M. Chizhikov,  
B. Ya. Tratssevitskaya, Corr Members, Acad Sci USSR, Metal Inst imeni  
A. A. Baykov, Acad Sci USSR, 8 $\frac{1}{2}$  pp

"Izv Akad Nauk SSSR, Otdel Tekh Nauk" No 12 -p. 1653-60

Authors conducted experiments to study kinetics of the cementation of metals from their chloride compounds. Metals used were Zn, Fe, Sn, Pb, H, and Cu. Among results obtained was the fact that iron does not displace zinc at concentrations of Fe $\cdot\cdot$ 2 grams per liter or less. Submitted, 15 Jul 1947.

PA 57T59



TRASKIN, K.A.

YEVDOKIMOV, P.I., redaktor; KRIVITSKIY, B.Kh., redaktor; Shumikhin, Yu.A., redaktor; TRASKIN, K.A., inzhener-podpolkovnik, redaktor; MYASNIKOVA, T.F., tekhnicheskiiy redaktor

[Transmitting electric measurement data by radio; collection of translations on radiotelemetry] Tekhnika peredachi resul'tatov izmenenii po radio; sbornik perevodov po radiotelemetrii. Moskva, Voen. izd-vo Ministerstva oborony SSSR, 1955. 148 p. [Microfilm](MLRA 8:6)  
(Telemetering)

*Traskin, K.A.*

PHASE I BOOK EXPLOITATION

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Traskin, K.A.

Radiolokatsionnaya tekhnika i yeye primeneniye (Radar and its  
Uses) Moscow, Gosenergoizdat, 1951. 95 p. (Massovaya  
radiobiblioteka, vyp. 121) 25,000 copies printed.

Ed.: Prival'skiy, Ye. M.; Tech. Ed.: Fridkin, L.M.

PURPOSE: This booklet is addressed to the general public  
interested in radar.

COVERAGE: The monograph explains the physical principles of radar  
and the operation of radar stations. Standard radar-  
station units are described and the applications of  
radar equipment in the armed forces, the national econ-  
omy and in science are discussed. There is a brief  
historical review of radar as an outgrowth of radio.  
Some names of known Soviet scientists in the field of  
radio engineering are given. There is a bibliography  
of 11 Soviet sources.

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Radar and its Uses

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What is the Nature of Radar?

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Radar in the Service of the National Economy and of Science

86

Instead of a Conclusion

94

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AVAILABLE: Library of Congress

TK 6576.T7

Card 2/2

JJP/lrb  
June 2, 1958

TRASKIN, K.A.

Radiolokatsionnaya tekhnika i ee primeneniye. 1951.  
Title tr.: Technique and application of radiolocation.

NCF

SO: Aeronautical Sciences and Aviation in the Soviet Union, Library of  
Congress, 1955.

TRASKIN, K.A.

Radiolokatsionnaia tekhnika i ee  
primeneniye (Radar technology and its application).  
Moskva, Gosenergoizdat, (1951?) 96 p.

SO: Monthly List of Russian Accessions, Vol. 6, No. 1, April 1953

1. TRASKIN, K. A.
2. USSR (600)
4. Technology
7. Radar technology and its application, Moskva, Gosenergoizdat, (1951?)

9. Monthly List of Russian Accessions, Library of Congress, April, 1953, Uncl.

L3552

S/126/62/014/005/008/015  
E193/E383

18.7.62  
AUTHORS: Summ, B.D., Goryunov, Yu.V., Pertsov, N.V., Traskin, V.Yu.  
and Shchukin, Ye.D.

TITLE: Propagation of cracks in zinc plates deformed in the  
presence of an isolated molten drop of a surface-active  
metal

PERIODICAL: Fizika metallov i metallovedeniye, v. 14, no. 5,  
1962, 757 - 765

TEXT: In continuation of earlier work (B.D. Summ et al - DAN  
SSSR, 1961, 136, 1392) the present authors studied the effect of  
locally applied drops of molten mercury and gallium on the resis-  
tance of zinc to fracture. The experiments with mercury were  
conducted at room temperature on technical grade, 98.7% pure, zinc  
specimens, 0.8 - 3.0 mm thick and up to 50 cm wide. Specimens of  
this type, gripped at one end in the horizontal position, could be  
bent through 90° without formation of visible cracks in the absence  
of a surface-active substance. If, however, a drop (0.2 - 40 mg)  
of mercury was placed on the upper surface of the test piece in  
its central line, 15 - 30mm from the fixed end, a crack was formed  
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E193/E383

Propagation of cracks ....

beneath the mercury drop when the bending moment reached a value producing a constant tensile stress of 7 - 8 kg/mm<sup>2</sup> (in the absence of mercury this stress was barely sufficient to cause a slight plastic strain). The crack absorbed all the liquid mercury in a fraction of a second and continued to increase at a progressively diminishing rate in the direction normal to the tensile stress its length (in the case of a 40 mg mercury drop) after 1, 5 and 240 sec being, respectively, 15, 52 and 120 mm. Depending on the mass  $m$  of the mercury drop, the time  $t$  required for the crack to reach its final length  $L$  varied from 15 min (for larger drops) to several days (for small drops). With increasing  $m$  and decreasing thickness  $d$  of the specimen,  $L$  increased; the variation in  $L$  could be described by  $L \sim m^{2/3}$  at a constant  $d$ . According to the present authors the magnitude of  $L$  was determined by two competing processes: a) spreading of the mercury drop on the walls of the crack from the point of application towards the ends of the crack and b) penetration of the mercury into the metal through the walls of the crack. Equations were derived describing the kinetics of these processes. Analysis of these equations showed that the latter process was not due to

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Propagation of cracks ....

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E193/E383

accelerated volume diffusion alone but was a result of several processes which included the following: formation and growth of a network of ultramicroscopic cracks on the walls of the main crack; spreading of mercury in these cracks by the mechanism of both capillary flow and two-dimensional migration; formation of two-dimensional defects on the walls of the main crack and spreading of mercury on these defects by the mechanism of two-dimensional migration; volume diffusion. If a bending moment considerably longer than the minimum required to trigger-off the process of crack-formation was applied to the zinc plate, microscopic cracks branching-off the main crack were formed; as a result, the final length of the main crack decreased with increasing applied stress. This effect was particularly noticeable in experiments conducted at a constant load as opposed to those conducted at a constant tensile stress. The experiments with gallium were conducted at 35 - 36 °C. In this case, there was a time lag between the application of stress and formation of a crack in the zinc specimen, the time lag decreasing with increasing stress. The rate at which gallium filled the crack was relatively slow and the rate of growth sharply decreased from the moment at which the entire volume of the

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Propagation of cracks .....

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E193/E383

gallium drop was drawn from the specimen surface into the crack. Cracks formed under the action of liquid gallium had a stronger tendency to branch off and the relationship between  $L$  and  $m$  was described by  $L \sim m^{0.5}$ . These differences were attributed to the fact that the surface energy of zinc was decreased more by gallium than by mercury and that liquid gallium - in contrast to mercury - did not spread on a flat zinc surface except by the mechanism of surface diffusion. Exploratory experiments of a similar nature were also conducted on cadmium. No crack-formation was observed, in this case, in the presence of liquid mercury. Cracking of cadmium in contact with liquid gallium occurred only at high loading rates; even then, a crack was formed only if the cadmium specimen had been in contact with liquid gallium for at least 20 - 30 min before the stress was applied. There are 5 figures.

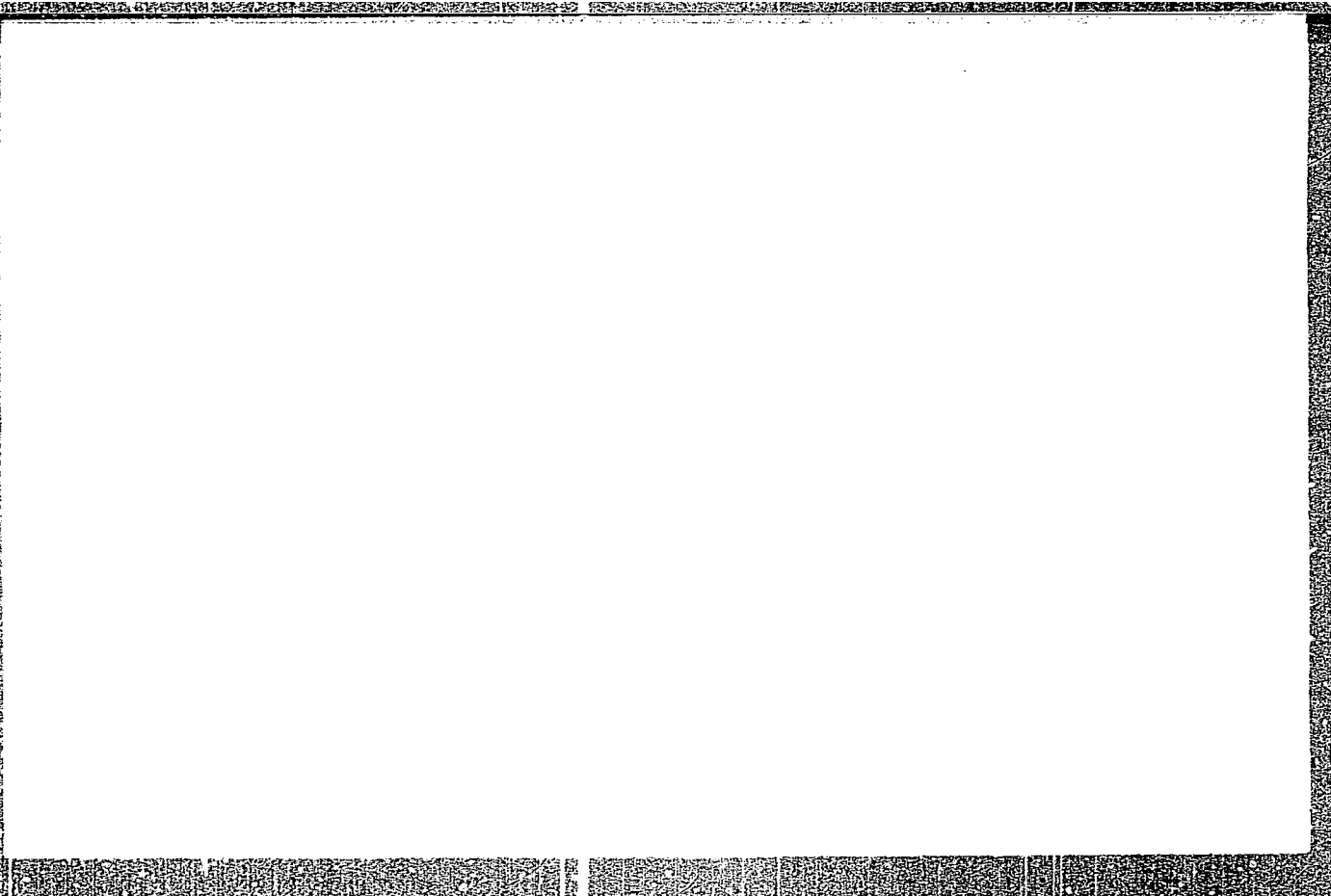
ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M.V. Lomonosova (Moscow State University im. M.V. Lomonosov)

SUBMITTED: March 3, 1962

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**"APPROVED FOR RELEASE: 03/20/2001**

**CIA-RDP86-00513R001756510008-8**



**APPROVED FOR RELEASE: 03/20/2001**

**CIA-RDP86-00513R001756510008-8"**

Amalgamated area

plate. When the loading is continued, a single crack with a depth practically equal to the plate thickness appears. The main characteristic of the plate is that it is a single crack and its propagation beyond the boundaries of the amalgamated area. The final length of the crack depends on the size of the amalgamated area, the size of the plate, and the size of the force that breaks the plate.

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